

CLAIMS

What is claimed is:

1. A fire control for firearms comprising:
  - a trigger;
  - a sear adapted to engage the trigger at a point of engagement, wherein the point of engagement between the sear and trigger can be adjusted to a desired engagement setting; and
  - a series of adjustments for adjusting a series of desired operation engagement settings for the trigger, including a trigger engagement adjustment, comprising a minimum and a maximum engagement adjustment to control the lateral displacement of the trigger out of engagement with the sear.
2. The fire control of claim 1, wherein the trigger engagement adjustment comprises an engagement sleeve and an adjustable engagement screw threadably coupled within the cylinder.
3. The fire control of claim 2, wherein the engagement sleeve is permanently affixed within the trigger.
4. The fire control of claim 1 and wherein the adjustments further comprise an over-travel adjustment, trigger pull adjustment, and trigger block adjustment.

5. The fire control of claim 1, wherein a maximum trigger engagement adjustment setting for the trigger engagement adjustment comprises between about 0.022 inches and about 0.035 inches.
6. The fire control of claim 5, wherein a minimum trigger engagement adjustment setting for the trigger engagement adjustment is between about 50% and about 100%.
7. The fire control of claim 1, wherein a minimum engagement adjustment setting for the trigger engagement adjustment is about 0.010 inches.
8. The fire control of claim 1, wherein the sear is adapted to release a firing pin for discharging a round of ammunition when the trigger is pulled.
9. The fire control of claim 1, and wherein the trigger comprises a body having a user engagement portion projecting downwardly therefrom, a front trigger arm and a rear trigger arm, wherein the rear trigger arm includes a trigger block adjustment adapted to engage a safety.
10. The fire control of claim 9, wherein the trigger block adjustment comprises a screw threadably engaging the rear trigger arm for adjusting an engagement

distance setting between the trigger block adjustment and the safety element of the firearm.

11. A firearm comprising:

a barrel;

a fire control mechanism including a trigger and a sear adapted to engage the trigger at a point of contact;

wherein the fire control comprises a series of adjustments including a trigger pull adjustment, an over-travel adjustment for the trigger, and a trigger engagement adjustment comprising a preset engagement setting and a variable engagement setting for controlling an amount of movement between the trigger and the sear required to release the sear from engagement with the trigger to fire the firearm; and

a firing pin adapted to be released by the sear for engaging a round of ammunition when the trigger is pulled.

12. The firearm of claim 11, further including a safety adapted to block operation of the fire control upon actuation.

13. The firearm of claim 12 wherein the trigger further comprises a trigger body, a front trigger arm, and a rear trigger arm including an adjustable trigger block

mechanism mounted therewithin and adapted to engage the safety of the firearm.

14. The firearm of claim 13, wherein the trigger block mechanism comprises a set-screw threadably connected to the rear trigger arm.
15. The firearm of claim 11 wherein the trigger engagement adjustment comprises an engagement sleeve and the adjustable engagement includes an engagement screw threadably coupled with in the cylinder.
16. The firearm of claim 15, wherein the engagement sleeve is adjusted to the desired preset setting and thereafter is permanently affixed within the cylinder.
17. The firearm of claim 11, wherein the preset engagement setting is between about 0.022 inches and about 0.035 inches.
18. The firearm of claim 11, wherein when the variable engagement setting is between about 50% and about 100% of the preset engagement setting.
19. The firearm of claim 11, wherein a minimum value of the variable engagement setting is about 0.010.